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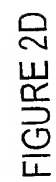
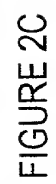
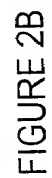
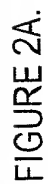
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361  gacggggtga tggttgccat cgcggacgtc cgtacgaca catccaatga caactccctc
421  attgatacgg tggcgaagta cagcgtggac gatggggaga cgtgggagac ccaaatggcc
481  atcaagaaca gccgtgtatc gtctgtttct cgtgtggttg atcccacgt gatttgtgaag
541  ggcaacaagc ttacgtcct ggttggaagc tactatagtt cgagaagcta ctggtcgtcg
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961  aacacccgag ttgactggaa acgcctctg gtgtacgagt ccagtacat ggagaaaccg
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1381  cggtcctgga agaattggga cagccacctg gctgtcacca cggttggtct tgttggcttt
1441  gcttcgtcgt cagagagtgg ttgtggtccc gctgtcacca accgtgcgt caacgcaagc
1501  ttgtccggca acgcctccca aaacgtatgg gaggatgcgt accgtgcgt caacgcaagc
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1621  ctttggccgg tgagccagca ggggcagaaat cagcgtatc gttttgcaaa ccacgcgttc
1681  acgctggtgg cgtcgtgtgac gattcacgag gctccgaggg ccgcgagtc ctbtgctgggt
1741  gcgagcctgg actcttcttg cggcaaaaaa ctctggggc tctcgtacga cgagaagcac

```

FIGURE 1A

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1861 aaaagggtacc acttgggttct tacgatggcg aataaaattg gctccgtgta catlgtatgga
1921 gaacttctgg agggtttcagg acagaccggtt gtgccagacg ggaggacgcc tgacatctcc
1981 cacttctacg ttggcgggta taaaaggagt gatatgccaa ccataagcca cgtgacgggtg
2041 aataatgttc ttctttacaa ccgacagctg aataccgagg agatcaggac cttgttctttg
2101 agccaggacc ttattggcac ggaagcacac atg

FIGURE 1B



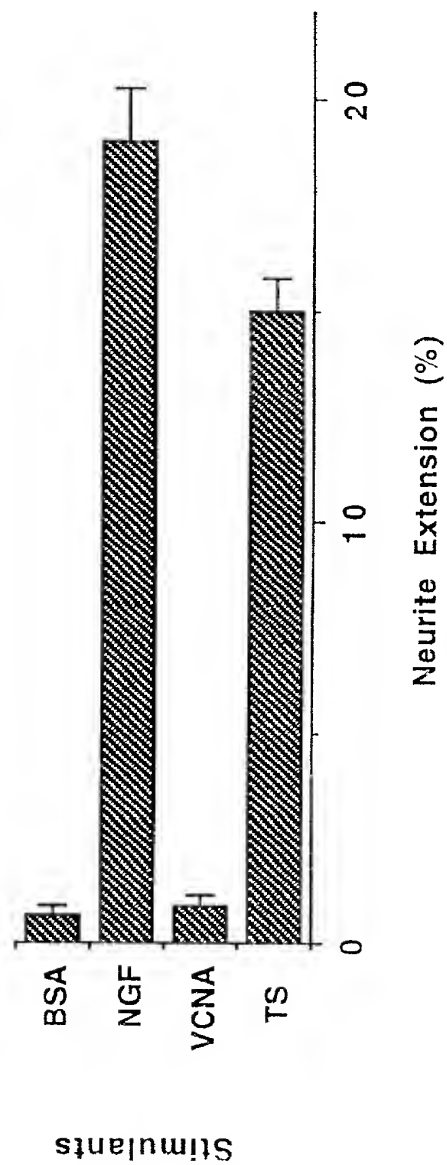


FIGURE 2E

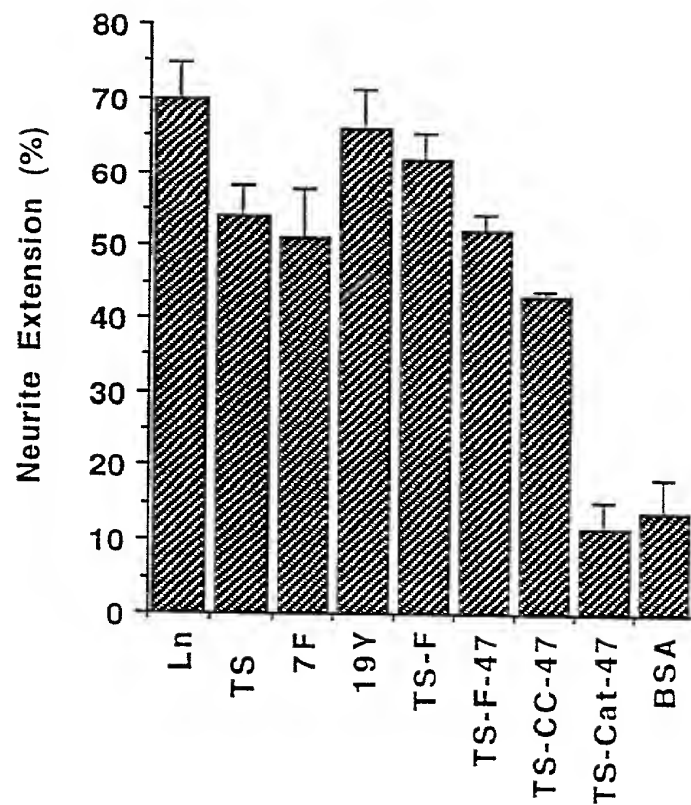


FIGURE 3A

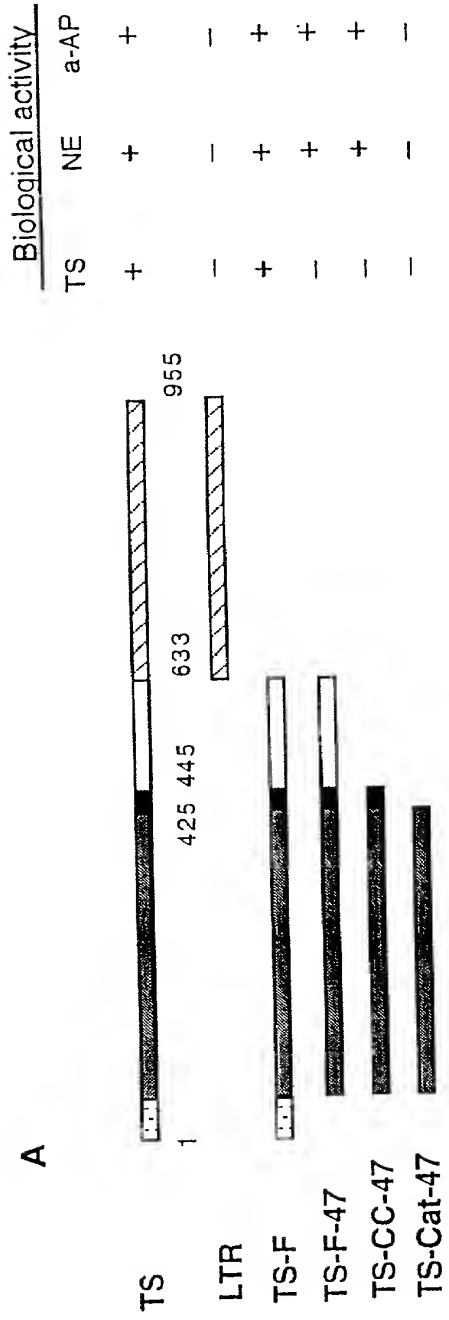


FIGURE 3B

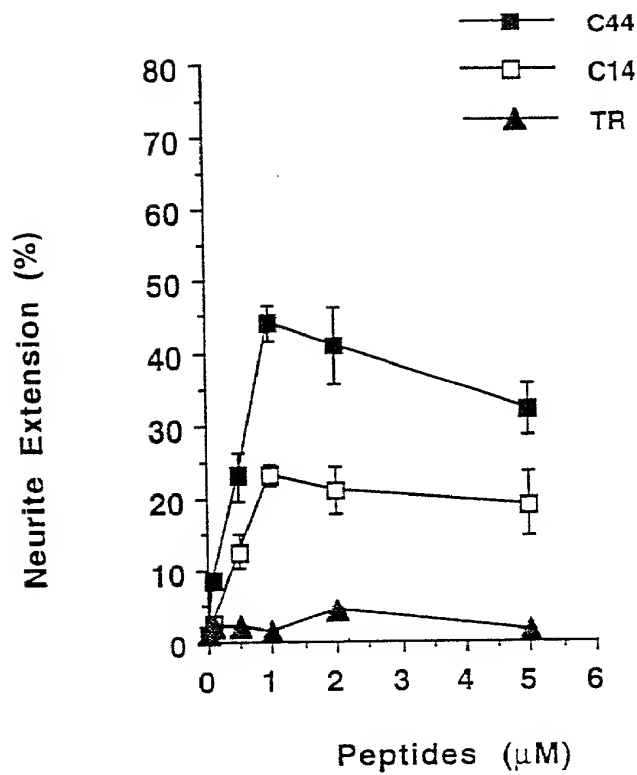
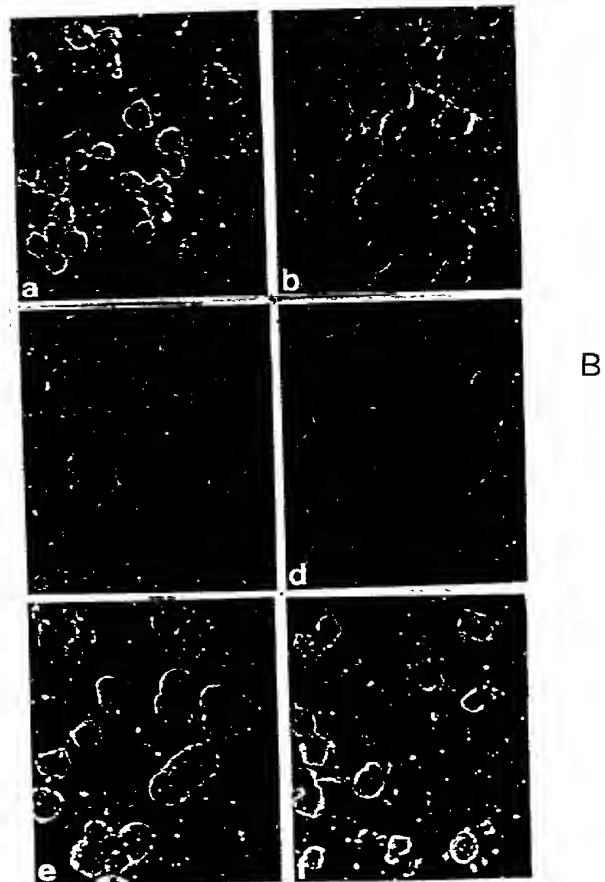
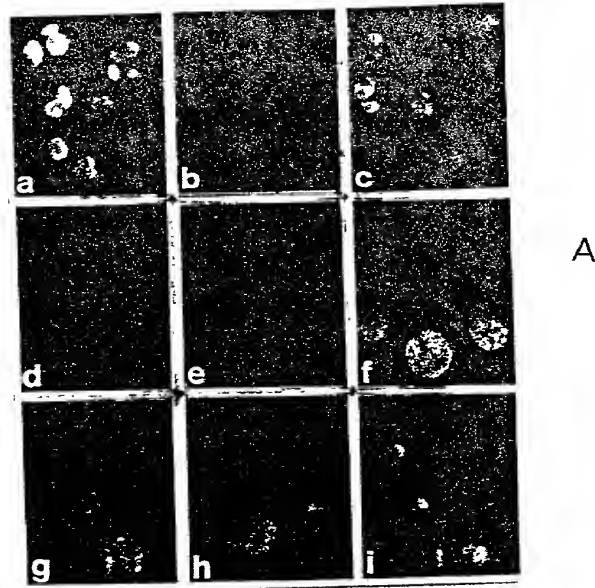


FIGURE 3C



FIGURES 4A - 4B

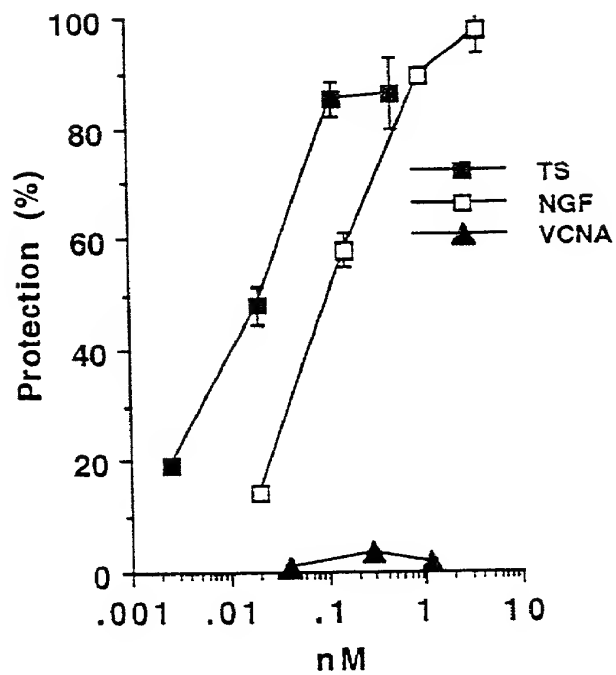


FIGURE 5A

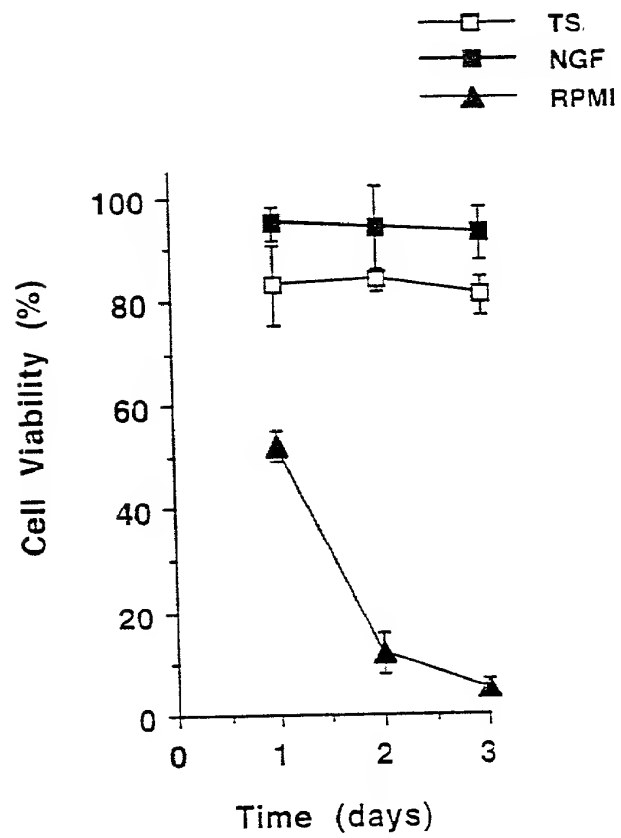


FIGURE 5B

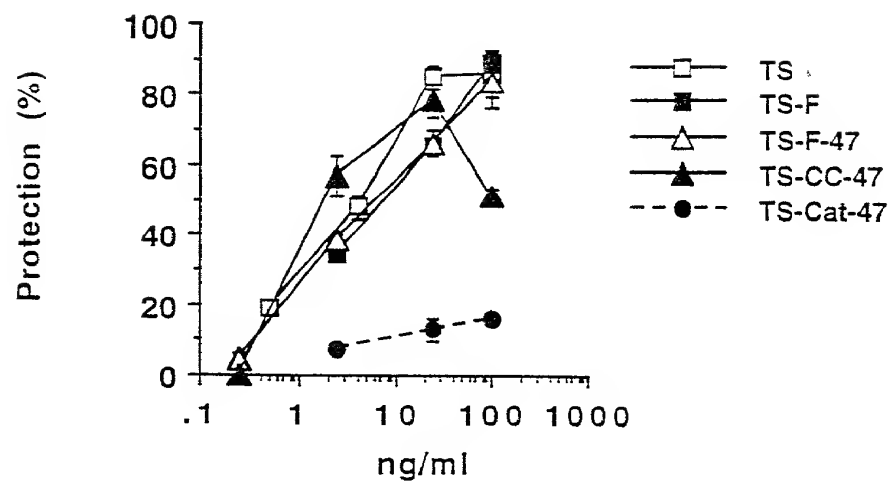


FIGURE 6A

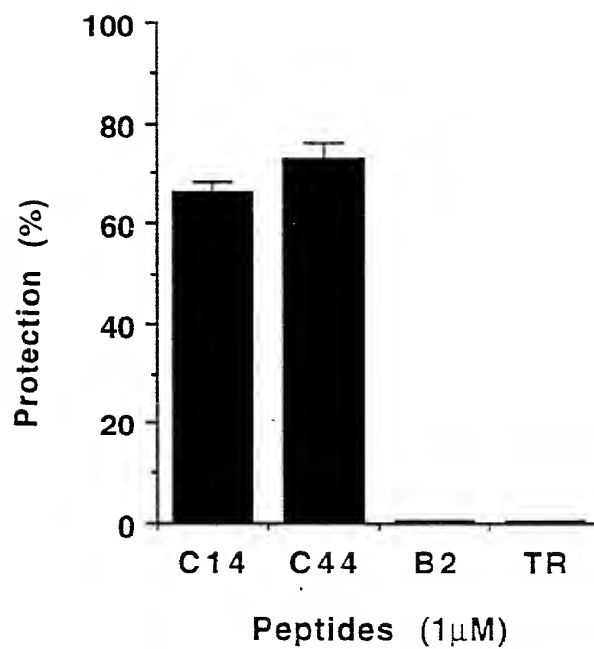


FIGURE 6B

base pairs

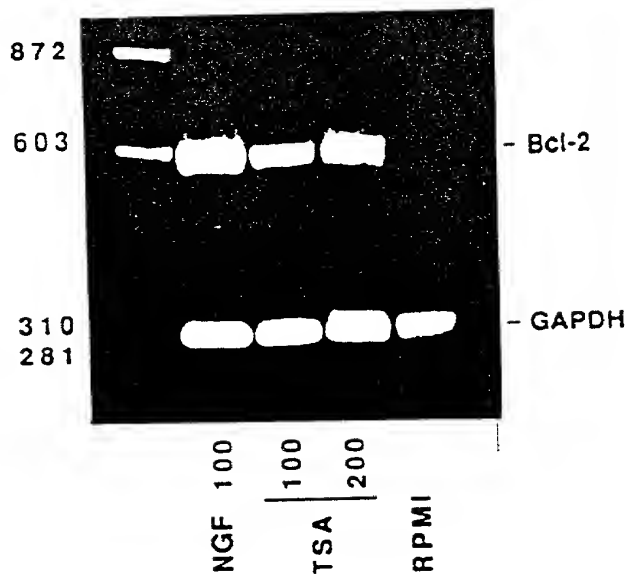


FIGURE 7

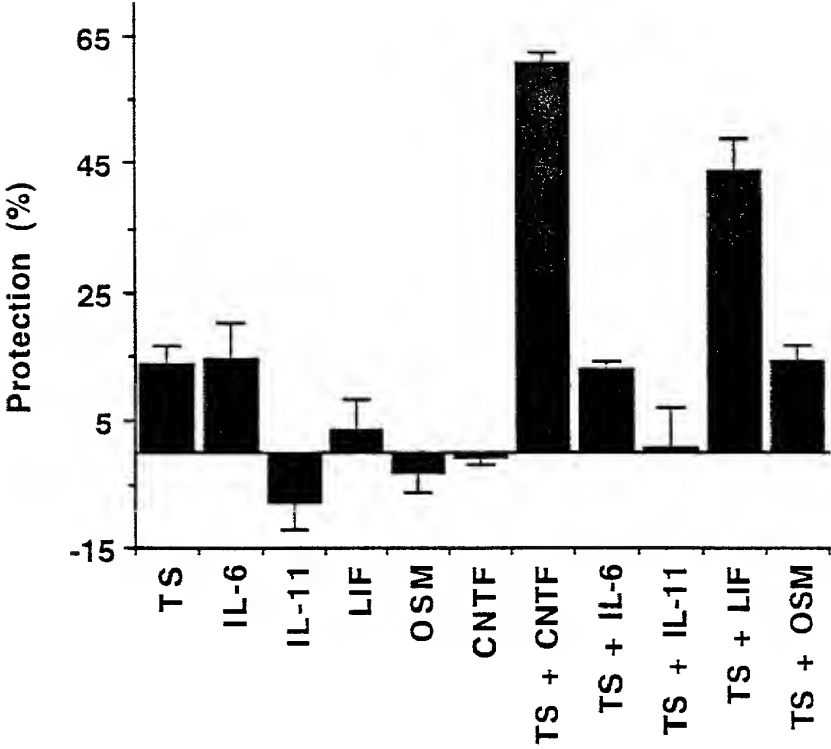


FIGURE 8A

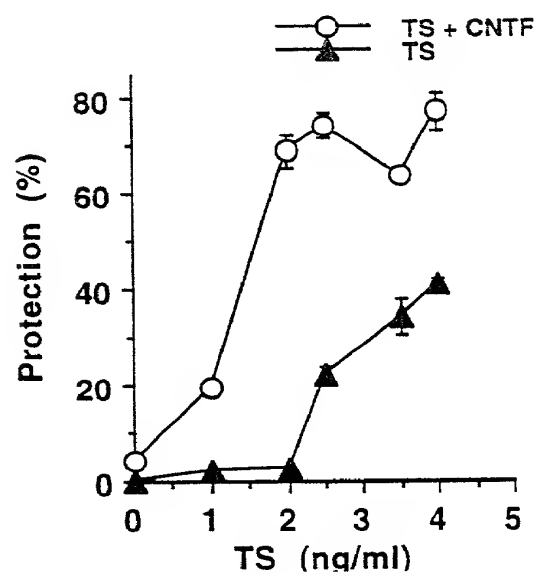


FIGURE 8B

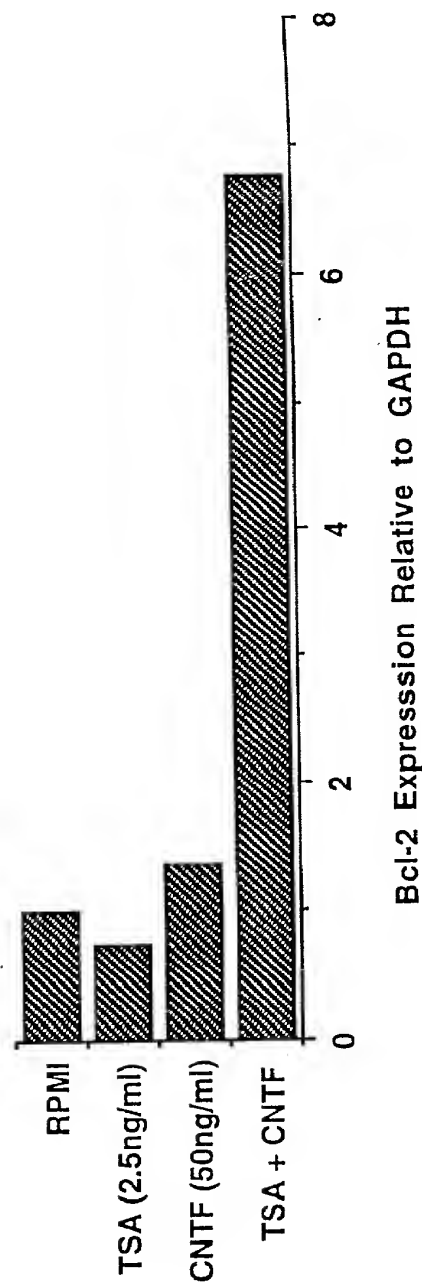


FIGURE 8C

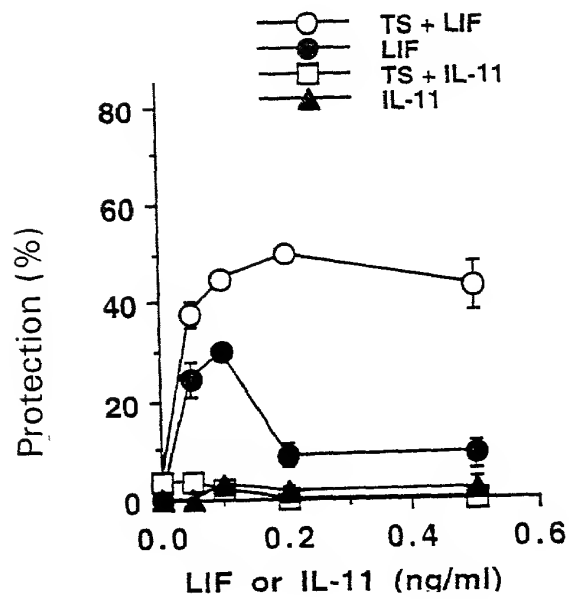


FIGURE 8D

**TS protects human Schwann cells from
serum withdrawal-induced apoptosis**

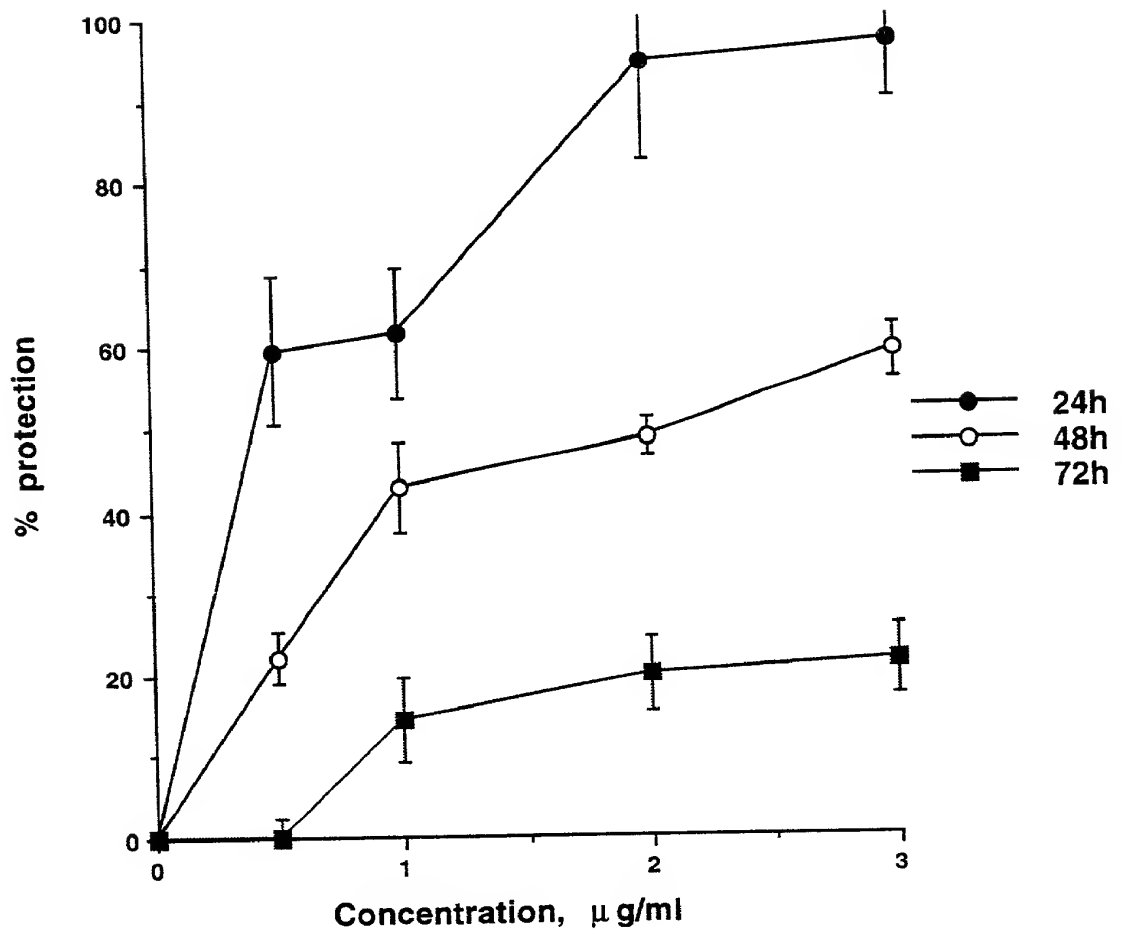
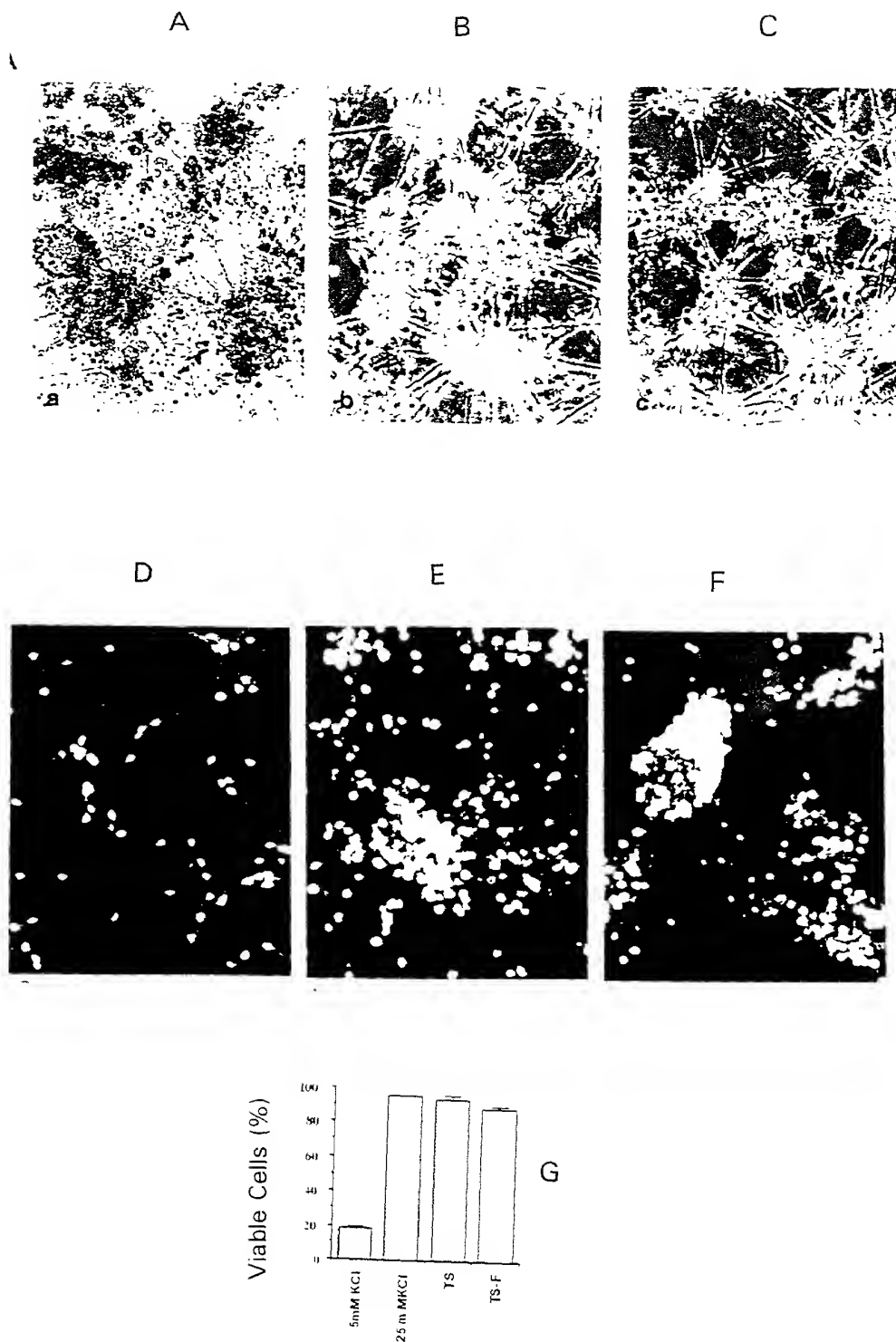
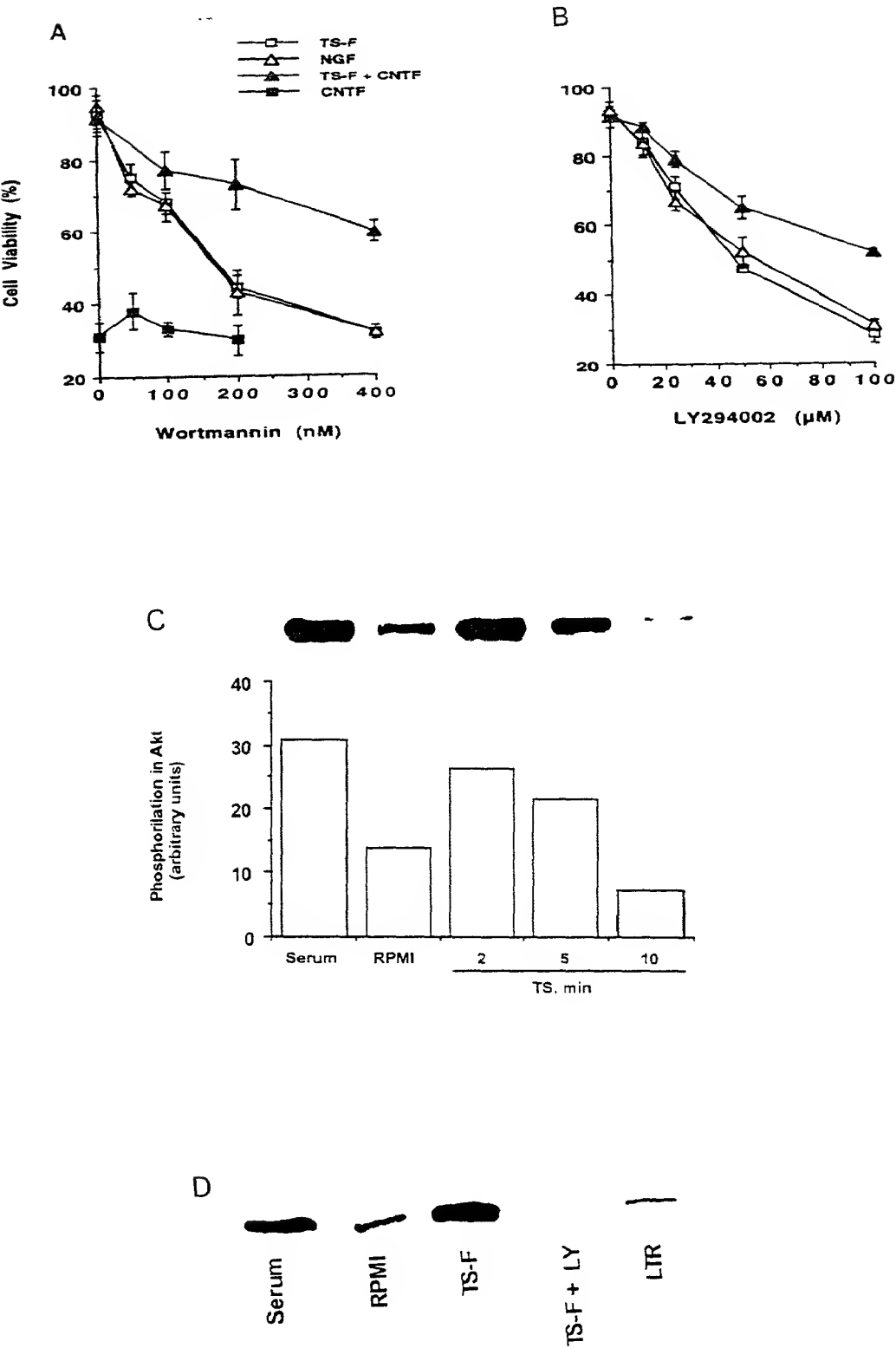


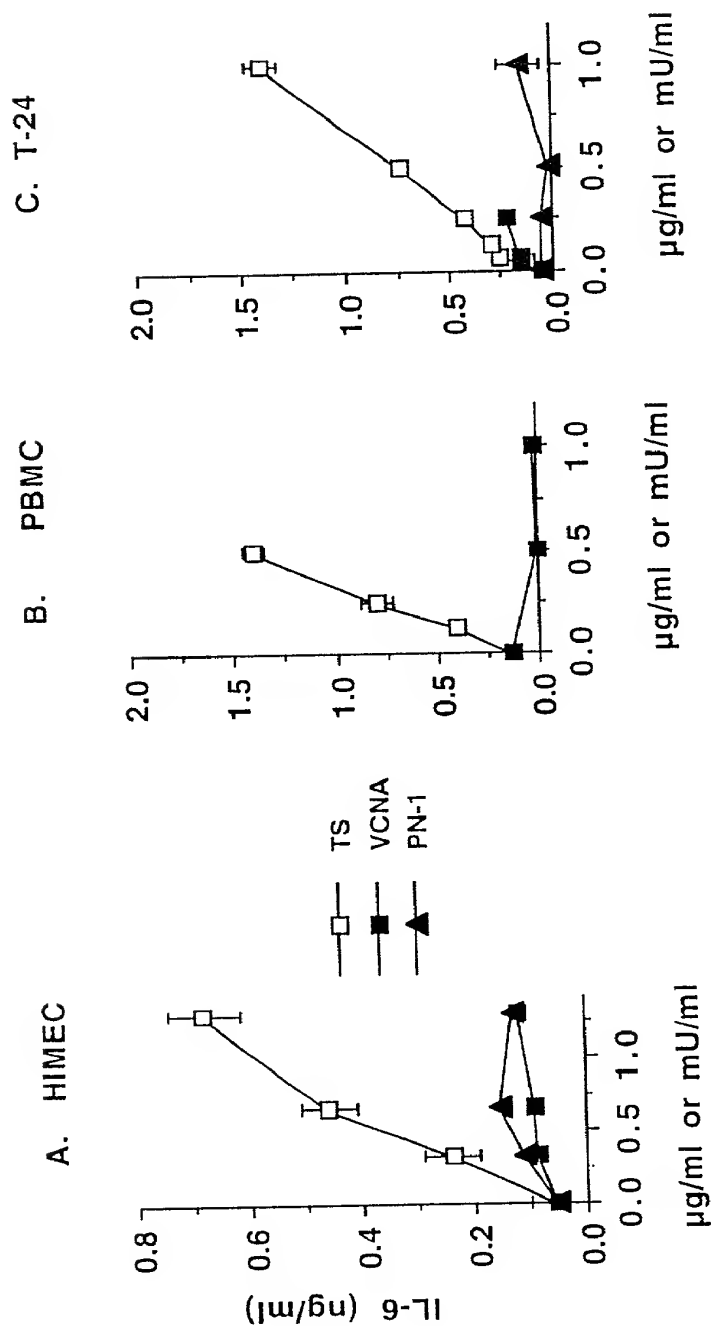
FIGURE 9



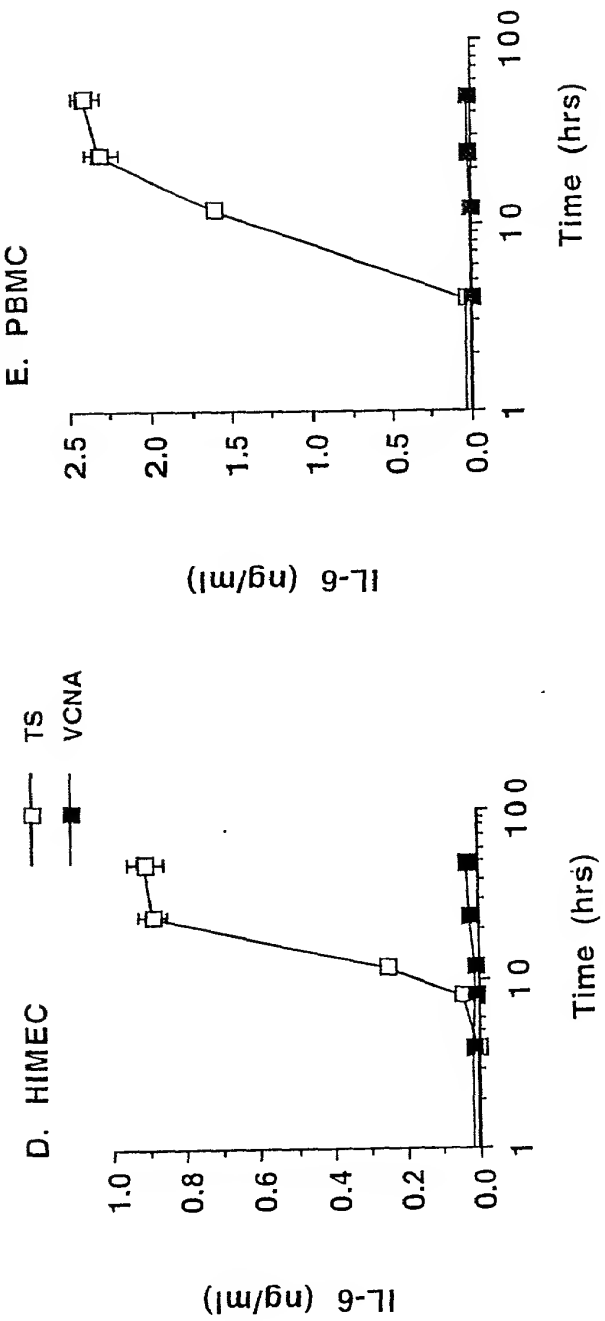
FIGURES 10A - 10G



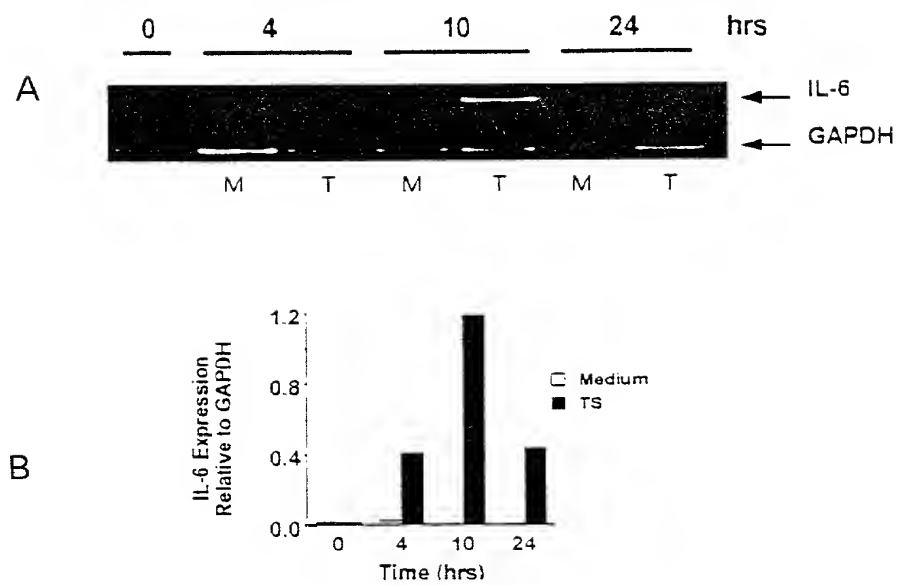
FIGURES 11A - 11D



FIGURES 12A - 12C



FIGURES 12D - 12E



FIGURES 13A - 13B

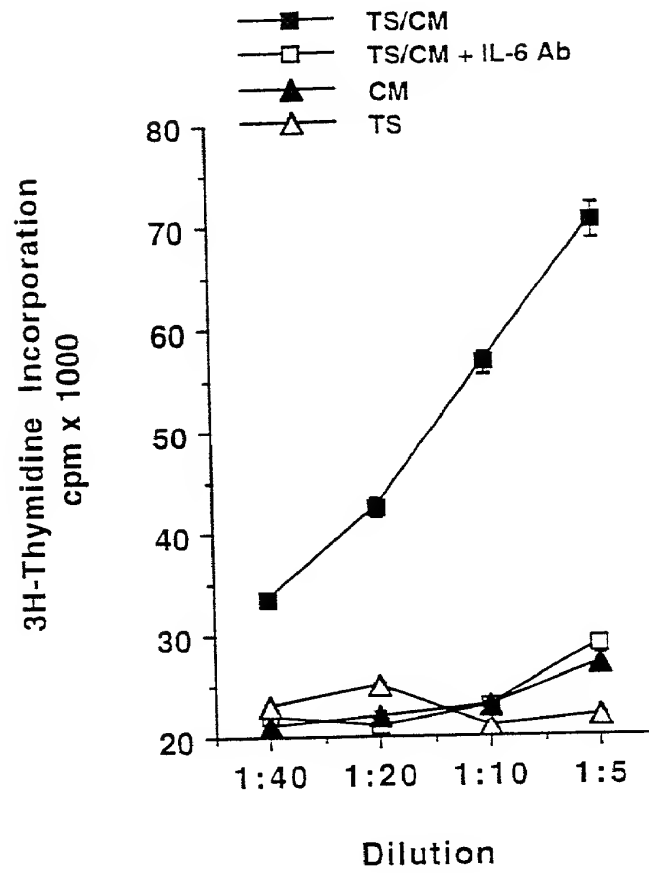
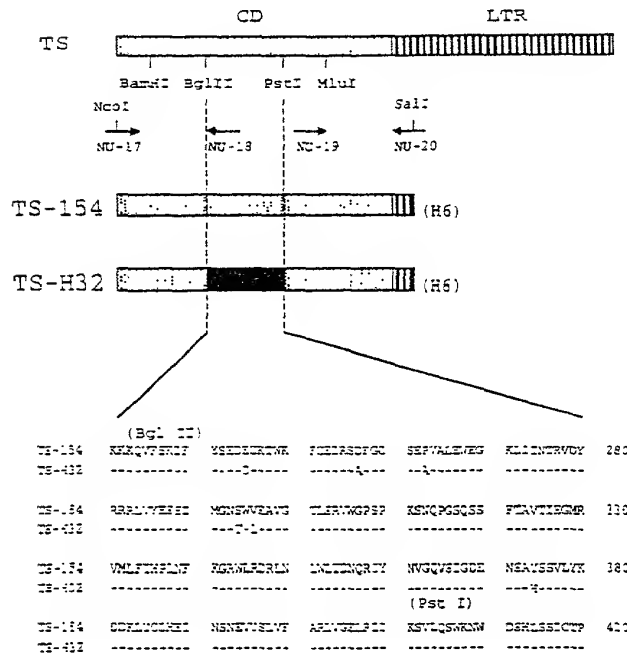
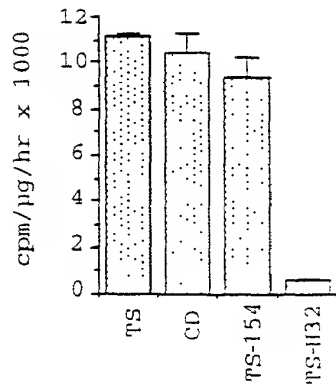


FIGURE 14

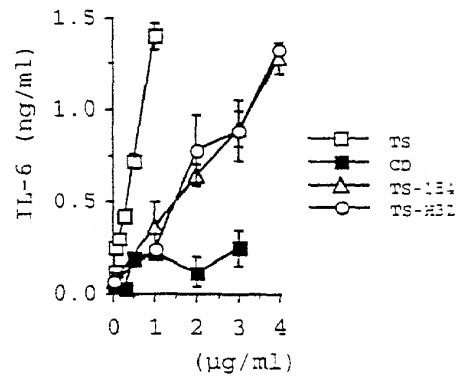
A Schematic diagram



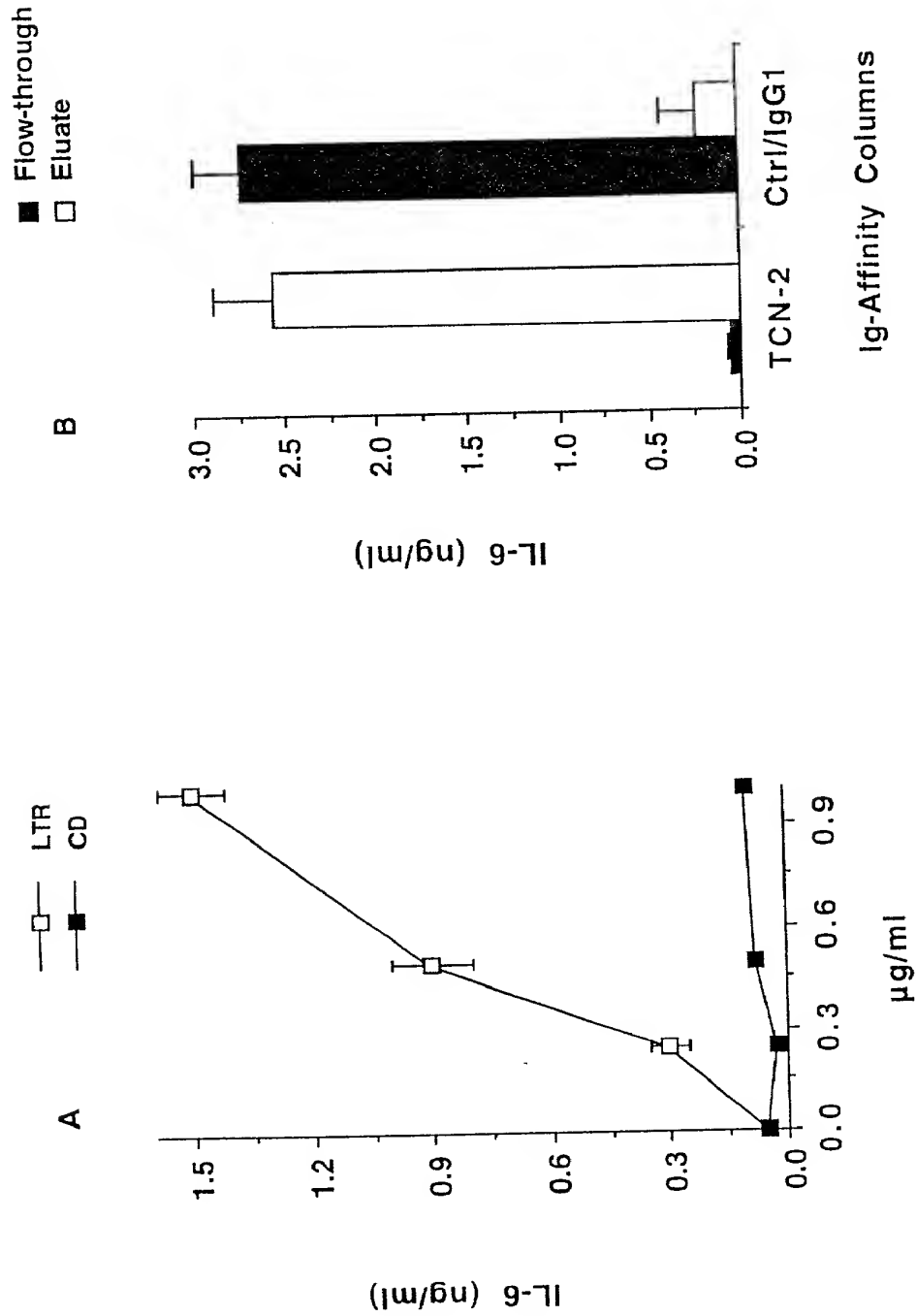
B Catalytic Activity



C IL-6 secretion



FIGURES 15A - 15C



FIGURES 16A - 16B

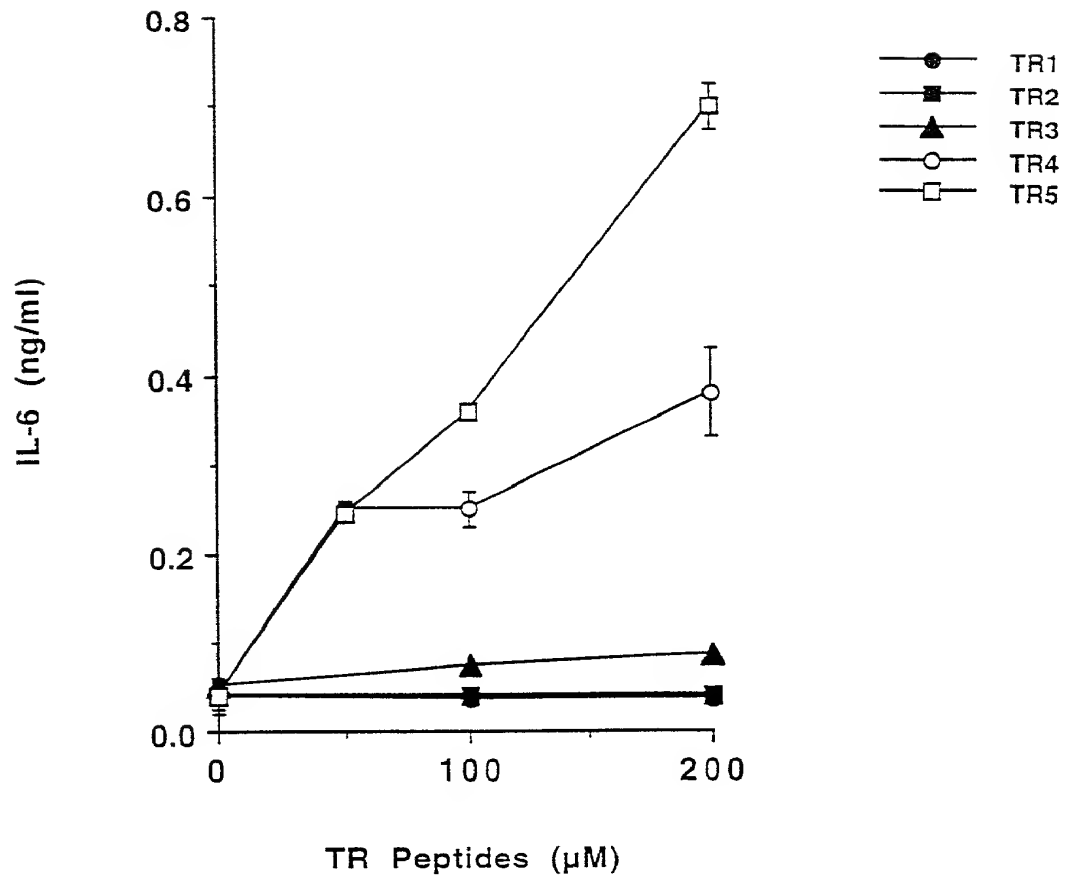
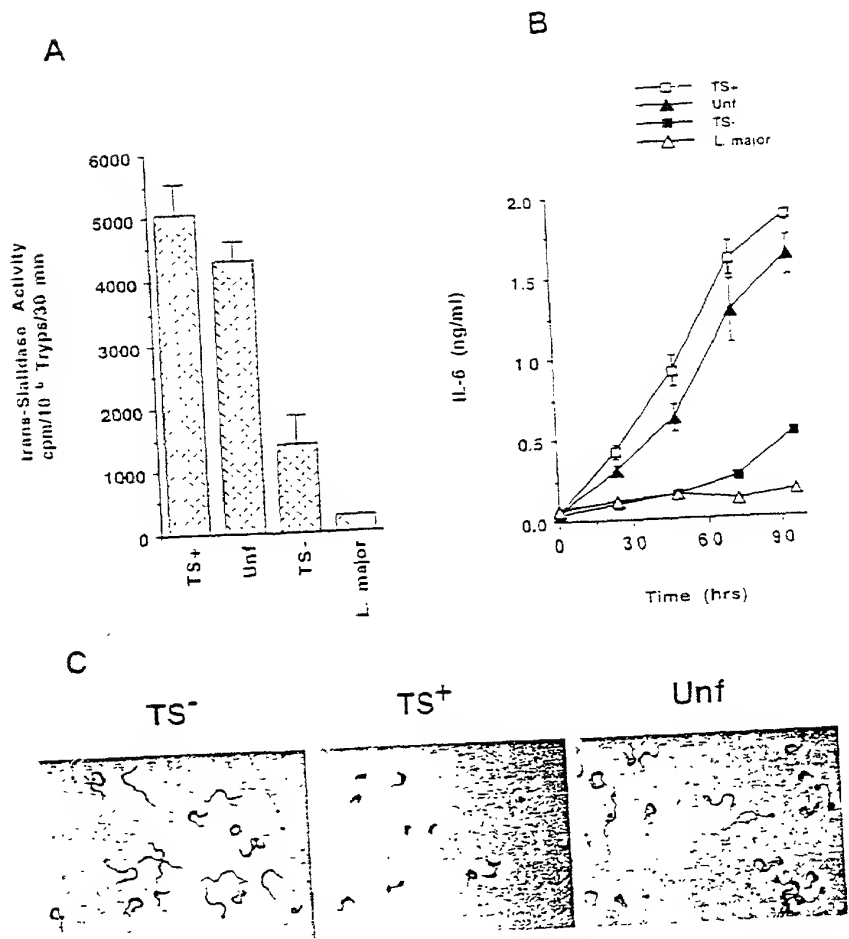


FIGURE 17



FIGURES 18A - 18C

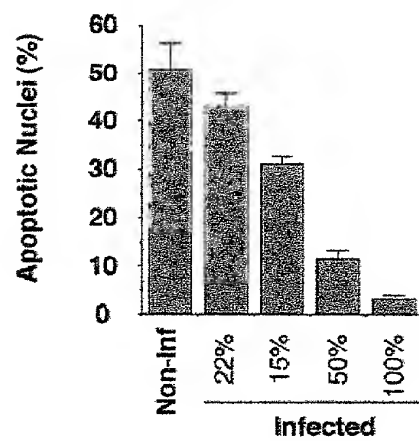
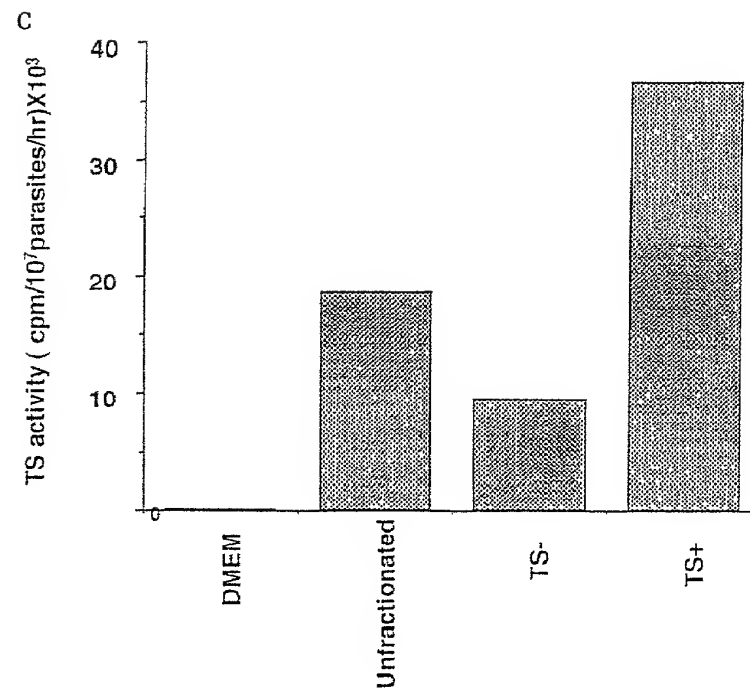
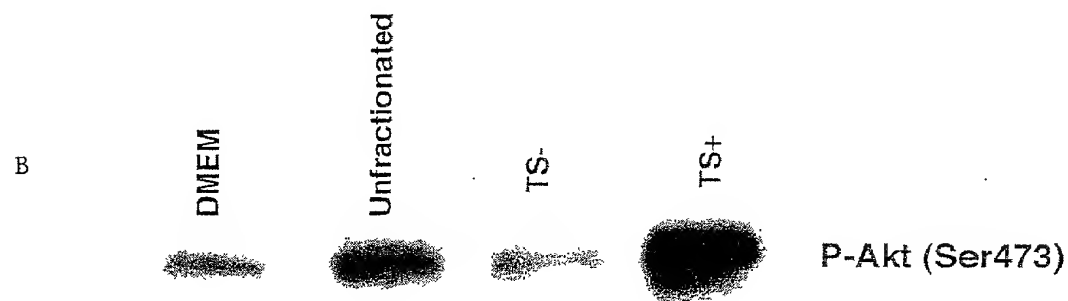
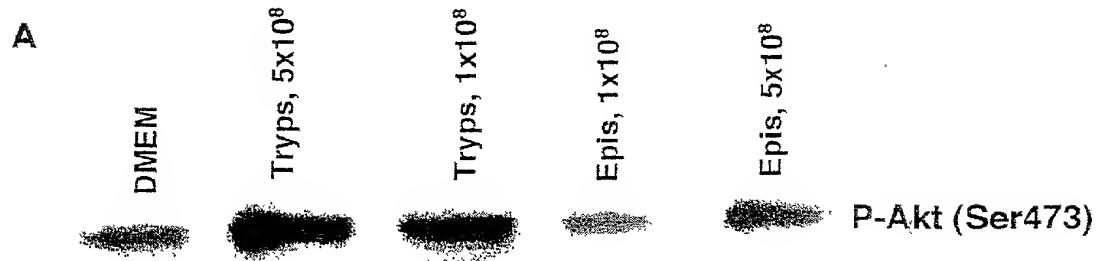
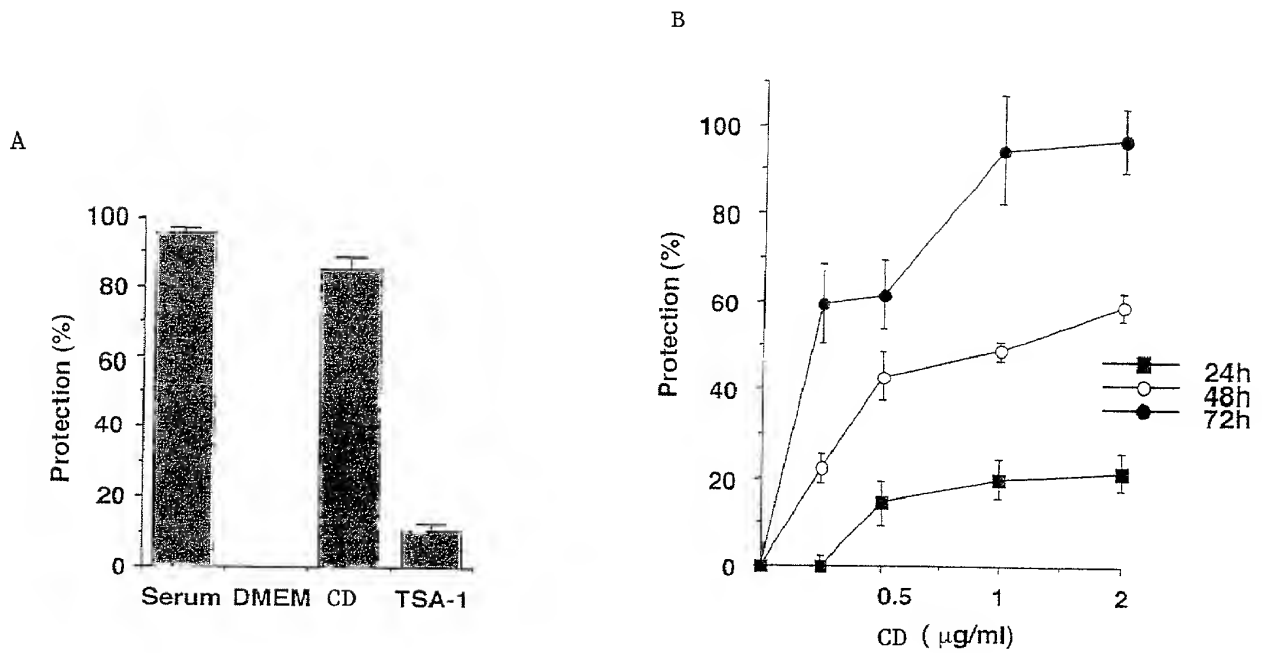


Figure 19

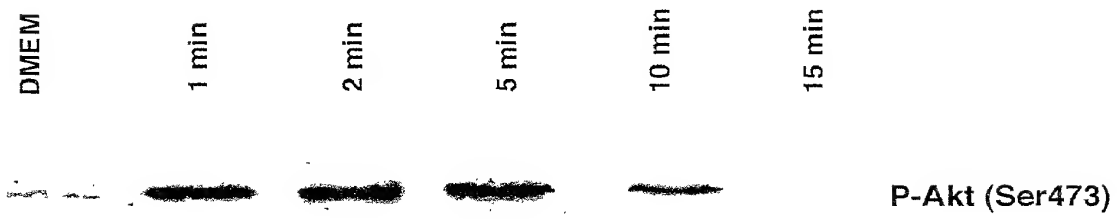


Figures 20A-20C

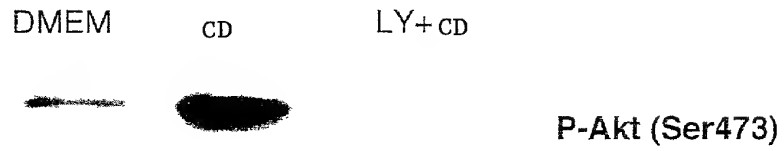


Figures 21A and 21B

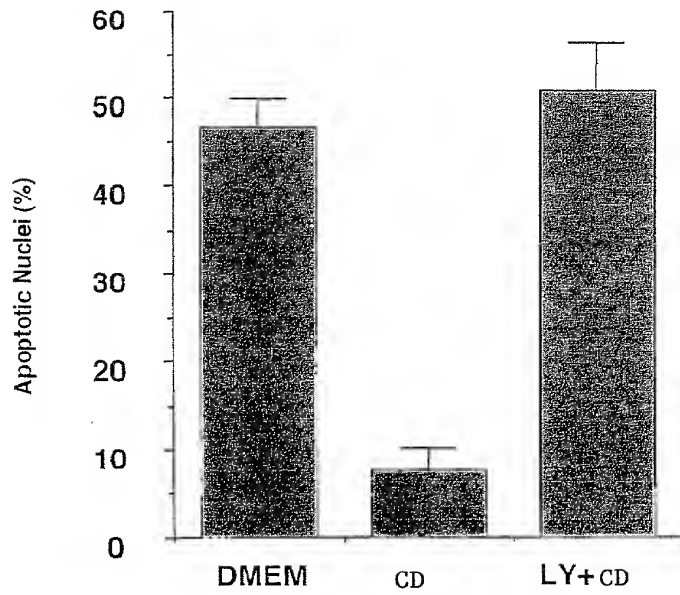
A



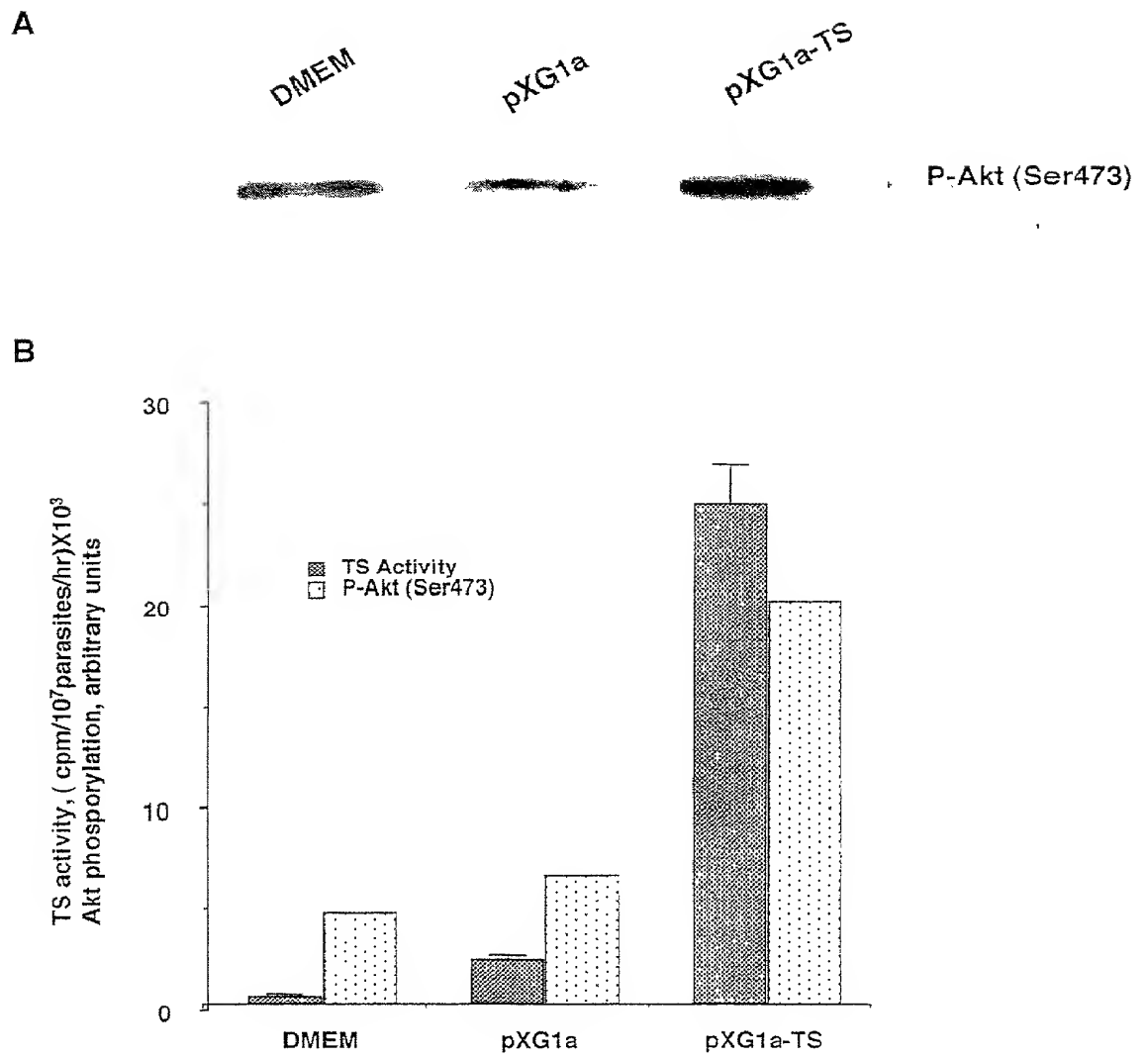
B



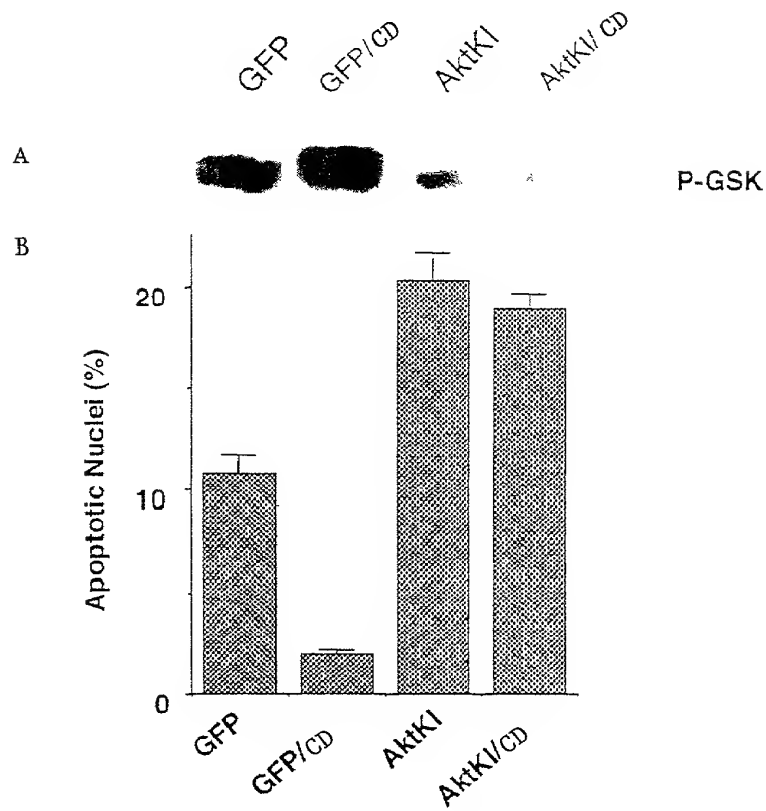
C



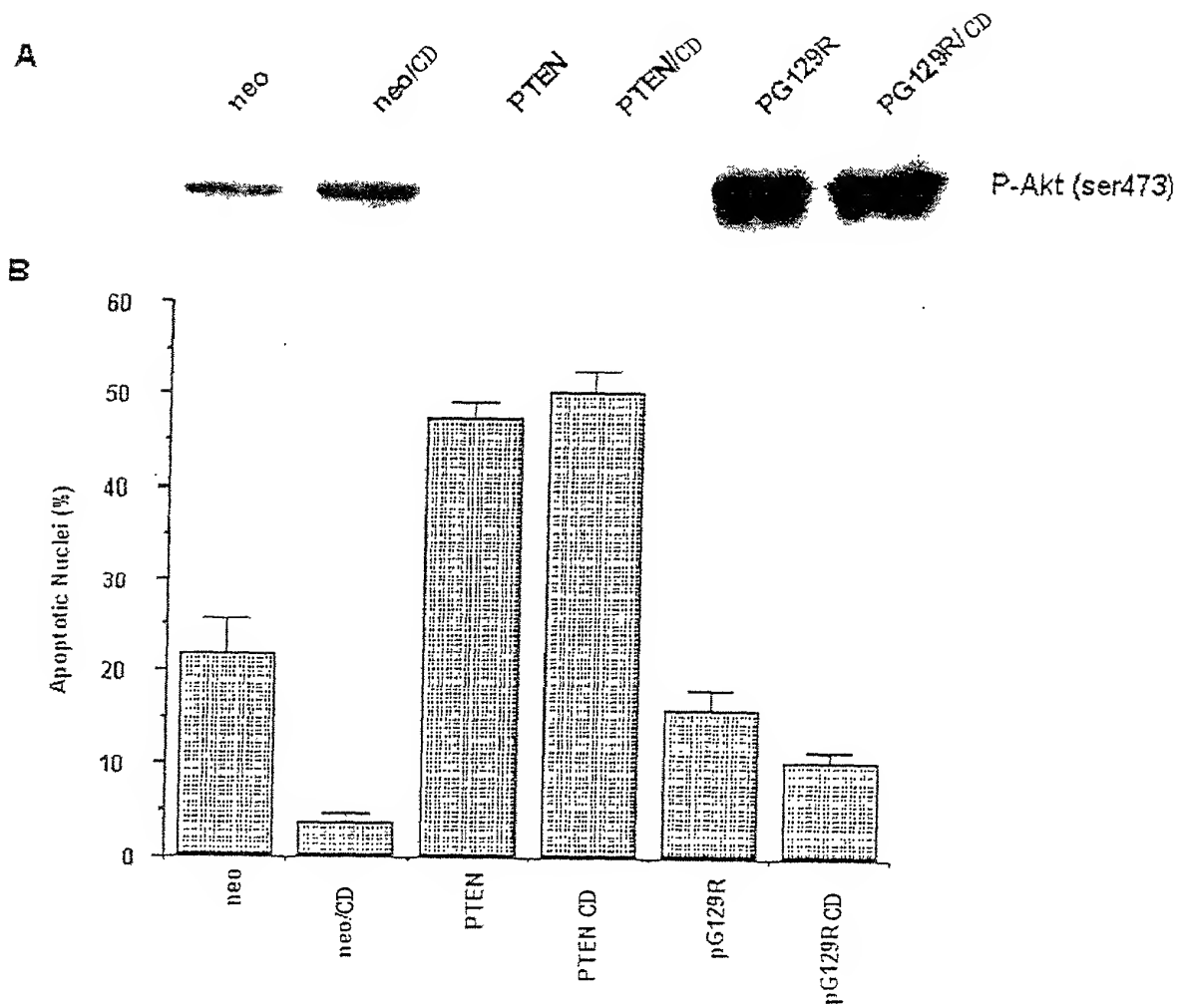
Figures 22A-22C



Figures 23A and 23B



Figures 24A and 24B



Figures 25A and 25B

1	AAAGACCGTT	GGAAGAAGAA	AGAAGGTTCC	GGAGCGTGGC	CACCACCAAC	GATGAACTGC
61	CACAATTGCG	TGCTGTCCGC	GGGCGGTACC	CGGCGCTTTG	AGCCCCACGGC	GACTTGTGTG
121	TTCCCCCTTC	TCTTCCCACT	TTCTCCGCGG	CAATCCCCCT	GCAAAGAGAC	GATCTTGACA
181	CCATTGTTTT	AGGCATAATA	GAAGTTCTAC	AAACAACGCC	CGAAGGACAC	ACAGGCAGGC
241	ACCGACTACG	ATGGGGAAAA	CAGTCGTTGT	GGCCAGTAGG	ATGTTCTGGC	TAATGTTTTT
301	CGTGCCGCTT	CTTCTTGCGA	TCTGCCCCAG	CGAGCCCGCG	TACGCCCTGG	CACCCGGATC
361	GAGCCGAGTT	GAGGGTTTAA	GCGTAAGAAT	TCGACGGTGC	CGTTTGAAGA	CAAGGCCGGC
421	AAAGTCACCG	AGCGGGTTGT	CCACTCGTTC	CGCTTCCCCG	CCCTTGTTAA	TGTGGACGGG
481	GTGATGGTTG	CCATCGCGGA	CGCTCGCTAC	GAAACATCCA	GTGAAAACCTC	CCTCATTGAT
541	ACGGTGCGGA	AGTACAGCGT	GGACGATGGG	GAGACGTGGG	AGACCCAAAT	TGCCATCAAG
601	AACAGCCGTG	TATCGTCTGT	TTCTCGTGTG	GTGGATCCCA	CCGTGATTGT	GAAGGGCAAC
661	AAGCTTTACG	TCCTGGTTGG	AAGCTACTAT	AGTTCGAGAA	GCTACTGGTC	GTGCGATGGT
721	GATGCGAGAG	ACTGGGATAT	TCTGCTTGCC	GTGGTGAGG	TCACGAAGTC	CAGTGCAGGC
781	GGCAAGATAA	CTGCGAGTAT	CAAATGGGGG	AGCCCCGTGT	CAGTGAAGAA	GTTTTTTCCG
841	GCAGAAATGG	AAGGCATGCA	CACAAATCAA	TTTCTTGCGC	GCGCGGGTGT	TGCCATTGTA
901	GCGTCCAACG	GGAATCTTGT	GTACCCTGTG	CAGGTIACGA	ACAAAAGGAA	GCAAGTTTTT
961	TCCAAGATCT	TCTACTCGGA	AGATGATGGC	AAGACGTGGA	AGTTTGGGAA	GGGTAGGAGC
1021	GATTTTGGCT	GCTCTGAACC	TGTGGCCCTT	GAGTGGGAGG	GGAAGCTCAT	CATAAACACC
1081	CGAGTTGACT	GGAAACGCCG	TCTGCTGTAC	GAGTCCAGTG	ACATGGAGAA	ACCGTGGGTG
1141	GAGGCTGTCT	GAACCGTCTC	GCGTGTGTGG	GGCCCCTCAC	CAAAATCGAA	CCAGCCCCGC
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1261	CCGCTGAATT	TTAAGGGGAG	GTGCGTGCGC	GACCGACTGA	ACCTCTGGCT	GACGGATAAC
1321	CAGCGCATTT	ATAACGTTGG	GCAAGTATCC	ATTGGTGATG	AAAATTCCGC	CTACAGCTCC
1381	GTCCTGTACA	AGGATGATAA	GCTGTACTGT	TTGCATGAGA	TCAACACGGA	CGAGGTGTAC
1441	AGCCTTGTTT	TTGCACGCCT	GGTTGGCGAG	CTACGGATCA	TTAAATCAGT	GCTGCGGTCC
1501	TGGAAGAATT	GGACAGCCAC	CTGTCCAGCA	TTTGCACCCC	TGCTGATCCA	GCCGCTTCGT
1561	CGTCAGAGAG	TGGTTGTGGT	CCCGCTGTCA	CCACGTTTGG	TCTTGTGTGG	TTTTTGTCSG
1621	CAACGCCTCC	CAAAACGTAT	GGGAGGATCG	TACCGCTGCG	TCAACGCAAG	CACGGCAAAAT
1681	GCGGAGAGGG	TTCGGAACGG	TTTGAAGTTT	GCGGGGGTTG	GCGGAGGAGC	GCTTTGGCCC
1741	GTGAGCCAGC	AGGGGCAGAA	TACGCGGTAT	CGTTTTGCAA	ACCACGCGTT	CACGCTGGTG
1801	GCGTCGGTCA	CGATTACGGA	GGCTCCGAGG	GCCGCGAGTC	CCTTGCTGGG	TGCGAGCCTG
1861	GACTCTTCTG	GCGGCAAAAA	ACTCCTGGGG	CTCTCGTACG	ACGAGAAGCA	CCAGTGGCAG
1921	CCAATATACG	GATCAACGCC	GGTGACGCCG	ACGGGATCGT	GGGAGACGGG	TAAAAGGTAC
1981	CACCTGGTTC	TTACGATGGC	GAATAAAATT	GGCTCCGTGT	ACATTGATGG	AGAACTTCTG
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2101	GTTGGCGGGT	ATAAAAGGAG	TGATATGCCA	ACCATAAGCC	ACGTGACGGT	GAATAATGTT
2161	CTTCTTTACA	ACCGACGACA	GCTGAATACC	GAGGAGATCA	GGACCTTGTT	CTTGAGCCAG
2221	GACCTTATTG	GCACGGAAGC	ACACATGGAC	AGCAGCAGCG	ACAGCAGTGC	CCACAGTACG
2281	CCCTCAACTC	CCGCTGACAG	CAGTGCCAC	AGTACGCCCT	CAACTCCCGT	TGACAGCAGT
2341	GCCCCACAGTA	CGCCCTCGAC	TCCCGCTGAC	AGCAGTGCCC	ACGGTACGCC	CTCAACTCCC
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2461	CCCTCAACTC	CCGTTGACAG	CAGTGCCAC	AGTACGCCCT	CAACTCCCGT	TGACAGCAGT
2521	GCCCCACAGTA	CGCCCTCAAC	TCCCGTTGAC	AGCAGTGCCC	ACGGTGCGCC	CTCAACTCCC
2581	GCTGACAGCA	GTGCCCACGG	TACGCCCTCG	ACTCCCGTTG	ACAGCAGTGC	CCACGGTACG
2641	CCCTCGACTC	CCGCTGACAG	CAGTGCCAC	AGTACGCCCT	CGACTCCCGC	TGACAGCAGT
2701	GCCCCACAGTA	CGCCCTCGAC	TCCCGCTGAC	AGCAGTGCCC	ACAGTACGCC	CTCGACTCCC
2761	GTTGACAGCA	GTGCCCACGG	TACGCCCTCG	ACTCCCGCTG	ACAGCAGTGC	CCACAGTACG
2821	CCCTCGACTC	CCGCTGACAG	CAGTGCCAC	GGTACGCCCT	CAACTCCCGT	TGACAGCAGT
2881	GCCCCACAGTA	CGCCCTCGAC	TCCCGTTGAC	AGCAGTGCCC	ACGGTACGCC	CTCAACTCCC
2941	GTTGACAGCA	GTGCCCACAG	TACGCCCTCG	ACTCCCGTTG	ACAGCAGTGC	CCACGGTACG
3001	CCCTCAACTC	CCGTTGACAG	CAGTGCCAC	AGTACGCCCT	CGACTCCCGC	TGACAGCAGT
3061	GCCCCACAGTA	CGCCCTCAAC	TCCCGCTGAC	AGCAGTGCCC	ACGGTACGCC	CTCAACTCCC
3121	GTTGACAGCA	GTGCCCACAG	TACGCCCTCG	ACTCCCGCTG	ACAGCAGTGC	CCACAGTACG

Figure 26A

```

3181 CCCTCAACTC CCGTTGACAG CAGTGCCAC AGTACGCCCT CAACTCCCGC TGACAGCAGT
3241 GCCCACGGTA CGCCCTCAAC TCCCGTTGAC AGCAGTGCCC ACGGTACGCC CTCGACTCCC
3301 GCTGACAGCA GTGCCCACAG TACGCCCTCG ACTCCCGCTG ACAGCAGTGC CCACAGTACG
3361 CCCTCGACTC CCGCTGACAG CAGTGCCAC AGTACGCCCT CAACTCCCGT TGACAGCAGT
3421 GCCCACAGTA CGCCCTCAAC TCCCGCTGAC AGCAGTGCCC ACAGTACGCC CTCGACTCCC
3481 GCTGACAGCA GTGCCCACAG TACGCCCTCG ACTCCCGCTG ACAGCAGTGC CCACAGTACG
3541 CCCTCAACTC CCGTTGACAG CAGTGCCAC AGTACGCCCT CAACTCCCGC TGACAGCAGT
3601 GCCCACGGTA CGCCCTCGAC TCCCGCTGAC AGCAGTGCCC ACAGTACGCC CTCGACTCCC
3661 GTTGACAGCA GTGCCCACAG TACGCCCTCG ACTCCCGCTG ACAGCAGTGC CCACGGTACG
3721 CCCTCGACTC CCGCTGACAG CAGTGCCAC AGTACGCCCT CGACTCCCGC TGACAGCAGT
3781 GCCCACGGTA CGCCCTCGAC TCCCGCTGAC AGCAGTGCCC ACAGTACGCC CTCGACTCCC
3841 GCTGGCAGCA GCGCCAATGG TACGGTTCTG ATTTTGCCCG ATGGCGCTGC ACTTTTCGACC
3901 TTTTCGGGCG GAGGGCTTCT TCTGTGTGCG TGTGCTTTGC TGCTGCACGT GTTTTTTATG
3961 GCAGTTTCT GATGTAGTGA GAGAGTCTCC TAACAAATGT AGATAAATTC ATAATTGTGG
4021 TGTGAACCGT TTGGGTAAAT GTGTGTGTGC GCTCTCATAA GGAAATGATT TCCAGTAATG
4081 TTTTTTTTTT GTTCTCGAAC ATTTTGAATA AATCTGCAGA CAGATGGGGA CGCGTAATTT
4141 GAATTTGTTT TTCAGCGTTC TTTTGTCACT GGCCCTTGT TTAAGTGGA CCGCGTTGCA
4201 ATGCGGCGAG GGCATTTCTC TGTTTTGATT TCCTTCTTTT TCTCCTTGT GTTTCTTCAA
4261 TTTGACGGTT TGCACGCTGT GCGGTGGAGC GTTTTCCCTT GTGAAATAAG GGCCAACATGC
4321 TTCACAGTGG CACGAGGGCG CTCAAGAGAT CCGCGGGTCG CCAGTGAATC ACTTTGTGTG
4381 GCGCAGCTCG AGGAGGTGTC TGGCTGCTGT GGGGGCCTCG ATGGTTGCCA CTTCGCGAGT
4441 TTGCAACGAG CGTGCTTCTC GCGGAGGGAG CAGGCGAAAT ATTTGTGTTT TTTTGTGTTG
4501 TTTTTTTGTT TTTTGTGTTT TGTGTGTGTG TGTAAGTTTT GGTTCAGTCT CCCTTGAAC
4561 GGGGGACGTT GGGCTTAATG GACCAAACTC TGATTCCCTT AAAACTTCTT TTGTTGGTTT
4621 TCTTTTGTGTT TTGTTTTTGT GCTGCTGATT TGCACGCTTT CTCACTGTCA CCGAAGCGCG
4681 GCGGCGGTGT TTGAGTGCCC CCTCACGCTG CTGCTGTGGA ATTTGCGTTG CTTGCGGACA
4741 TTTCTGTGTT GTGCGATTGC TTCTACTTTC GTTTTTTATT TTTGTGTTT GGTGGAGGGG
4801 AGTGTGCAGC AGGGGGCGGG CCGAGATGCC TGTGGAGACA GCGACGTTGC GGGGACTCTC
4861 TCTCGGCCCTC GTCATTCAAC AATCCATTGC GCAGCAGCTT GCCACGAACA CCAGCACCAC
4921 TATTTGTTCTG TTTTCCCACT ATTACCGGCG CGTCTAGCCG CACGATGCCA TCTGGGTGCC
4981 GAGGAGGCGG TTGAGCAGCG GAAAAGGCTT CCTGCTATGA AGCGACTGCC ATTGAGAGAA
5041 CTTTTAGCTG CGTGGATCTT CCTCAATGCC CAGCCGTTGG CGCGCAGCGG AGGTGCCTGG
5101 GCATTCTAGG AGCAGATGGC GAAAGGTTTC CTGCGCGTCA ACTGGCGTGT CTGTGGAGGT
5161 TGGCTATCCT CAGTCGGGAG ACCGCCTCCT GGCACCACAG AACGGGTAGC GGTAGTGTCT
5221 TGGCGAATAG TACAACGCCA CTGTTGCTG ACTGGGCGAGT AAAGCATGTC AGCGGGTCCG
5281 TGTGCCATAC GGGCGCATTC CATGTTCCGT GTGTTGTCCG GTTGCCATGG TCTGCGTCCG
5341 ATGCTGAGCC GCAGGCTCGT CAACATGCAC TCCACAATGT CCGTAAGAAA ACTCCCGGTG
5401 CAC

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Figure 26B

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1 mvaiaadarye tssensliddt vakysvddge twetqiaikn srvssvsrvv dptvivkgnk
61 lyvlvgysys srsywsshgd ardwidillav gevtkstagg kitasikwgs pvsllkffpa
121 emegmhtndf lggagvaiva sngnlvypvq vtnkrkqvfs kifyseddgk twkfgkgrsd
181 fgcsepvale wegkliintr vdwkrrlve ssdmekpwve avgtvsrvwg pspksnqpgs
241 qtsftavtie gmrvmfthp lnfkgrcvrd rlnlwltdnq rlynvqvsi gdensayssv
301 lykddklycl heintdevys lvfarlvgel riiksvlrsw knwtatcpaf aplliqlrr
361 qrvvvvplsp rlvllafrq rlpkrmgssy rcvnastana ervrnglkfa gvvggafwpv
421 sqggqnqrry fanhaftlva svtiheapra aspllgasld ssggkllgl sydekhqwqp
481 iygstpvtp gswetgkryh lvtmankig svyidgelle gsggtvvpdg rtpdiishfyv
541 ggykrsdmpt ishvtvnnv1 lynrrqlnte eirtlflsqd ligteahmds ssdssahstp
601 stpadssahs tpstpvdssa hstpstpads sahgtstpvp dssahgtstp padssahgtp
661 stpvdssahs tpstpvdssa hstpstpads sahgapstpa dssahgtstp pvdssahgtp
721 stpadssahs tpstpvdssa hstpstpads sahgtstpvp dssahgtstp padssahgtp
781 stpadssahg tpstpvdssa hstpstpads sahgtstpvp dssahgtstp pvdssahgtp
841 stpvdssahs tpstpvdssa hstpstpads sahgtstpvp padssahgtstp
901 stpvdssahs tpstpvdssa hgtstpvpads sahgtstpvp padssahgtstp
961 stpadssahs tpstpvdssa hstpstpads sahgtstpvp padssahgtstp
1021 stpvdssahs tpstpvdssa hgtstpvpads sahgtstpvp padssahgtstp
1081 stpadssahs tpstpvdssa hgtstpvpads sahgtstpvp padssahgtstp
1141 sgggl11cac alllhvfma vf

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Figure 26C

1	MGKTVVVASR	MFWLMFFVPL	LLAICPSEPA	YALAPGSSRV	ELFKRKNSTV	PFEDKAGKVT
61	ERVVHSFRLP	ALVNVDGVMV	AIADARYDTS	NDNSLIDTVA	KYSVDDGETW	ETQIAIKNSR
121	VSSVSRVVDP	TVIVKGNKLY	VLVGSYYSSR	SYWSSHGDAR	DWDILLAVGE	VTKSTAGGKI
181	TASIKWGSPV	SLKKFFPAEM	EGMHTNQFLG	GAGVAIVASN	GNLVYPVQVT	NKKKQVFSKI
241	FYSEDDGKTW	KFGKGRSDFG	CSEPVALEWE	GKLIINTRVD	WKRRLVYESS	DMEKPWVEAV
301	GTVSRVWGPS	PKSNQPGSQS	SFTAVTIEGM	RVMLFTHPLN	FKGRWLRDRL	NLWLTDNQRI
361	YNVGQVSIQD	ENSAYSSVLY	KDDKLYCLHE	INTDEVYSLV	FARLVGELRI	IKSVLRSWKN
421	WDSHLSSICT	PADPAASSSE	SGCGPAVTTV	GLVGFLSGNA	SQNVWEDAYR	CVNASTANAE
481	RVRNGLKFAG	VGGGALWPVS	QQGQNQRYRF	ANHAFTLVAS	VTIHEAPRAA	SPLLGLASLDS
541	SGGKKLLGLS	YDEKHQWQPI	YGSTPVTPTG	SWETGKRYHL	VLTMANKIGS	VYIDGELLEGL
601	SGQTVVPDGR	TPDISHFYVG	GYKRSDMPTI	SHVTVNNVLL	YNRQLNTEEI	RTLFLSQDLI
661	GTEAHM					

Figure 1C